

IN THE CLAIMS:

1. (Currently amended) A barrel plating device, comprising:

support members facing combined together to face each other across at
a prescribed space interval;

hollow support shafts placed to be approximately level with each other,
said hollow support shafts being respectively mounted in and extending through a
piercing form to said support members, each of said hollow support shafts having a
large inner diameter bore at one end and a small inner diameter bore, said large inner
diameter bore having an internal circumferentially extending groove ;

a barrel having a hollow drum portion and end plates closing part whose
opposite ends of said drum portion, said end plates each having a central boss are
closed with end plates, the opposite ends of said barrel having opposite being ends
rotatably supported by to said support shafts respectively inserted into the bosses; in
a rotatable condition;

a lead wires, each lead wire having an electrode at a tip end and coated
with an insulation layer, each of said lead wires extending through wire being inserted
into a bore hollow of a part of each support shaft and held therein in watertight and
against rotation non-rotatable conditions in such a manner allowing as to allow said lead
wire to extend pierce through the corresponding end plate of said barrel and into
communication with the interior of said hollow drum portion; and

a bush formed of a low friction material and mounted within each central boss;

a collar formed of with a low friction material member, said collar being fixed to a portion of mounted to each lead wire within and in sliding contact with the bush in a manner allowing rotation of the bush together with the barrel relative to said collar, said collar having a slotted portion with a plurality of slots axially extending from an end thereof facing a hollow support shaft, said slotted portion extending into said large diameter bore and having an outer circumferential projection engaged within said groove. portion that pierces through said corresponding end plate of said barrel.

2. (Currently amended) The barrel plating device according to claim 1, wherein the inner each end plate of said barrel is composed of a body and a boss shaped member mounted to said body, the hollow part of each support shaft has a large side diameter part at a portion close to the barrel, each collar has axially extending slots at a portion facing the outside of the barrel, while an inside diameter of said a slotted portion of said each collar is sized to be slightly larger than the inner diameter that of the remaining other portion of said collar, and a thrust of the slotted portion of said each color into the large inside diameter part of said each support shaft is made in a non slipped out condition.

3. (Canceled).

4. (Currently amended) The barrel plating device according to claim 3, wherein each of said bosses defines an insertion hole and has a circumferential groove around

the insertion hole said each bush has a slotted portion with slots axially extending from an end slots at a portion facing the outside of the barrel, said slotted portion of said bush has an inner while an inside diameter of a slotted portion of said each bush is

sized to be slightly larger than the inner diameter that of the remaining other portion and a projection around its outer circumference engaged within and held by the circumferential groove around the insertion hole. thrust of said each bush into the insertion hole formed in said each end plate is made in a non slipped out condition.

5. (Currently amended) The barrel plating device according to claim 1, wherein each lead wire is a hard conductive bar including that is composed of a horizontal shaft portion part inserted into a bore the hollow part of a the corresponding support shaft and a downwardly bent portion part being integral with said shaft portion part and slanting taking a forwardly downward slanting shape within said barrel, said shaft portion part has a bare portion including a connection portion part at a distal end, said downwardly bent portion part has an electrode at a tip end, said a lead wire, portion excepting said connection portion, part and said electrode are is coated with an insulation layer, an energizing member is connected to the connection part of each lead wire, and the connection each joint part between said connection portion part and said energizing member is covered with for insulation in a watertight condition.

6.(Currently amended) The barrel plating device according to claim 5, wherein said barrel is mounted on to said each support shafts so as to be vertically inclined relative to a rotation axis by a prescribed angle, in a vertical direction.

7.(Currently amended) The barrel plating device according to claim 6, where said barrel is mounted on to said each support shafts so as to be horizontally inclined by a have a prescribed angle relative to the rotation axis, in a horizontal direction.

8. (Currently amended) The barrel plating device according to claim 5, wherein the electrodes of said lead wires are located within the barrel facing face each other at a level lower than the rotation axis of the barrel and ~~also~~ are ~~in an~~ inclined position by a prescribed angle in a direction of rotation.

9. (New) The barrel plating device according to claim 3, wherein the bare portion additionally includes a non-circular portion of a non-circular sectional shape located adjacent said connection portion, said non-circular portion is seated within a mating opening in a regulating plate, whereby said regulating plate and the shaft part of the lead wire rotate as a unit, and said regulating plate is fixed to said energizing member or said support shaft with a screw to fix said electrode in a position below and inclined by a prescribed angle relative to the rotational axis of the barrel.

10. (New). The barrel plate device according to claim 9, wherein said regulating plate has a plurality of screw insertion holes radially spaced at prescribed angles from the center of the mating opening, and a selected one of said screw insertion holes is used to fix said regulating plate to said energizing member or said support shaft with the screw.